BEGIN THE JOURNEY TO A TAPE-LESS WORLD

As implications of cost, complexity of data protection environment, and capacity of data protection become grievous, global organizations are moving away from D2D2T-based approach for carrying out backups. The backup services market has now seen a flurry of new-age products and approaches that are transforming the landscape and gaining significant traction from the CIOs as well.

The key difference with the new approach is that it brings in greater automation and leverages the power of deduplication, compression, encryption, and WAN optimization in consonance with Cloud as the target backup storage. This confirmation ensures the benefits of lower capex costs and considerably lowers the recurring cost components.

BACKUPNXT

END-TO-END BACKUP AND ARCHIVAL TRANSFORMATION SOLUTION FROM HCL.

Developed in partnership with industry's leading OEMs and Amazon Web Services, BackupNXT is a fully-automated solution. It is designed to seamlessly integrate the on-premise backup infrastructure setup with cloud. It aims to reduce the administrative overhead, discovery and restore cycle, storage footprint in legacy estate, etc.

KEY TENETS OF BACKUPNXT

Helps enterprises move away from the legacy way of doing backups. tape drives, library, vaulting, etc. involve a great deal of manual intervention; all of which gets eliminated through BackupNXT.

Tape-less

Capable of meeting any desired Recovery Time Objective levels as one copy of the backup always remains on-premise for immediate restore availability. Moreover, all the discrete elements of the solution are brought under the single umbrella of HCL Managed Services.

SLA fulfillment

BackupNXT is available in two different packages:

• Without agents – Only the on-premise backup target is replaced with a storage gateway that keeps one copy in its local cache in a deduped, compressed, and encrypted form and replicates the same to cloud. The backup software and infrastructure remain as-is.

• With agents – The entire existing backup infrastructure gets replaced with a single solution that takes care of backup agents, on-premise storage, and a secondary copy of the backed up data on cloud

Flexibility

Fully-compatible with majority of the existing backup products and cloud service providers, to ensure, that the customer has a wide array of choices to select from.

Backup software and cloud service provider agnostic

BACKUPNXT FRAMEWORK

ADVANCED FEATURES

ALL KINDS OF WORKLOADS

CLOUD BENEFITS

| Deduplication |
| Continuous improvement |
| In-cloud restoration |
| Cloud integration |
| Granular restoration |
| eDiscovery |

Virtual Servers   Storage Arrays   Applications   File Servers

BACKUPNXT

RECOVER   RETAIN   DISCOVER   ANALYZE   ACCESS   DISPOSE

| Agility |
| Scalability |
| Flexibility |
| Availability |
| Robustness |
| Zero Lock-in |

Fully-Automated

Ease of Management

THE BACKUPNXT ADVANTAGE

	PARAMETERS	TAPES	BACKUPNXT
	BACKUP STORAGE	Massive backup storage requirements	Deduplication and incremental forever ensures reduced storage consumption
	BACKUP TIME	Full backups scan the entire system	Continuous improvement allows scanning for only incremental changes for full backup
	BACKUP OVERHEADS	High overheads due to multiple manual operations	Fully-automated and policy-based operations reduce overheads
	BACKUP SUCCESS	High backup and restore failure rate	Disk technology is more secure and reliable than tapes
	BACKUP COST	High costs due to all the factors stated above	Overall infrastructure and operational costs come down drastically

WHY BACKUPNXT?

BackupNXT is your first step towards the cloud journey. It has the capability to seamlessly integrate the on-premise backup infrastructure setup to cloud.

According to IDC, the amount of data in the digital universe is expected to grow by a factor of 50 over the next decade. A significant chunk of this will be required to be backed up for compliance and data redundancy purposes and cloud storage will have an important role to play. Why not start leveraging the vast, virtually unlimited, low-cost cloud storage at your disposal?

BackupNXT holds tremendous transformational potential for any enterprise at the cusp of refresh cycle for backup infrastructure or interested to explore an alternative backup methodology.

BACKING UP ONE OF THE LARGEST ALUMINUM MANUFACTURERS ON CLOUD

CUSTOMER OVERVIEW: An American industrial aluminum company which is among the leading producers of rolled aluminum. The organization has operations across 11 countries with nearly 11,000 employees.

BUSINESS AND TECHNICAL IMPERATIVE:
- High volumes of data and complexity with legacy tape-based backup solution
- Reducing TCO and improving data protection for enterprise backup
- Leverage Public Cloud as part of enterprise backup and archive strategy
- Immediate availability of data for restoring

SOLUTION OVERVIEW:
- HCL implemented Backup-to-Cloud solution for 30+ remote sites with NetApp AltaVault cloud storage appliance
- Solution protects data (on average 6 TB per site) by encrypting it in-flight (to the cloud) and at rest with SSL v3 and 256-bit AES encryption
- Leveraged AWS Direct Connect for a fast and secure way to backup and restore from the cloud
- Over 200 TB (across 30+ remote sites) data to be protected on cloud
- 99% SLA commitment for successful backup and restore

SOLUTION LEVERS

- BackupNXT™ – HCL's next generation Backup-to-Cloud solution
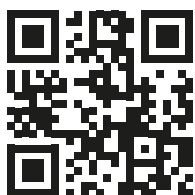- NetApp AltaVault cloud integrated storage
- Amazon S3 for cloud backup

BUSINESS BENEFITS

- Over 30% TCO reduction and better approach for managing data growth
- Elimination of complex and time-consuming tape capacity planning
- Savings on AVAMAR renewal costs
- Backing up a database to Amazon S3 is 2-12 times faster than with tape drive

TECHNOLOGY BENEFITS

- Faster backup and restore performance versus tape-based solution
- Greater data security
- Up to 80% reduction in backup volumes
- Eliminated tapes, tape management, and vaulting overheads

To know more, contact us at **ITO@HCL.COM.**

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BEYOND THE CONTRACT

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